

PTO/SB/21 (09-04)

Ifw 1772

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

| | |
|------------------------|-------------------|
| Application Number | 09/724,784 |
| Filing Date | November 28, 2000 |
| First Named Inventor | Marc A. Unger |
| Art Unit | 1772 |
| Examiner Name | Donald J. Loney |
| Attorney Docket Number | 20174C-003000US |

ENCLOSURES (Check all that apply)

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| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): SB/08 50 references Return Postcard |
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| Remarks | The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430. |
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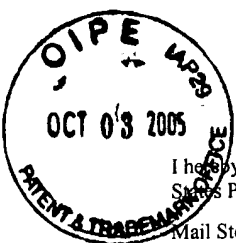
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| | | | |
|--------------|------------------------------------|----------|--------|
| Firm Name | Townsend and Townsend and Crew LLP | | |
| Signature | <i>Patrick M. Boucher</i> | | |
| Printed name | Patrick M. Boucher | | |
| Date | September 29, 2005 | Reg. No. | 44,037 |

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| Signature | <i>Janet L. Newmaker</i> | | |
| Typed or printed name | Janet L. Newmaker | Date | September 29, 2005 |



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On September 29, 2005

TOWNSEND and TOWNSEND and CREW LLP

By: Janet L. Newmaker
Janet L. Newmaker

PATENT

Attorney Docket No.: 20174C-003000US

Client Reference Nos.: CIT 3016-CIP1
and C130.110.US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Marc A. Unger et al.

Application No.: 09/724,784

Filed: November 28, 2000

For: Microfabricated Elastomeric Valve
And Pump Systems

Customer No.: 20350

Confirmation No.: 7684

Examiner: Donald J. Loney

Art Unit: 1772

**SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER
37 CFR §§ 1.97 AND 1.98**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the non-US references (in compliance with the requirements of 1287 OG 163) are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicants believe that no fee is required for submission of this statement. If a fee is required, however, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

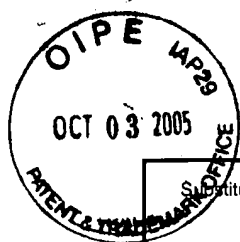
Respectfully submitted,



Patrick M. Boucher
Reg. No. 44,037

Date: September 29, 2005

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PMB/jln
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PTO/SB/08A (08-03)

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|--|---|----|--------------------------|--|--|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | Complete if Known | | |
| Application Number | | | 09/724,784 | | |
| Filing Date | | | November 28, 2000 | | |
| First Named Inventor | | | Marc A. Unger | | |
| Art Unit | | | 1772 | | |
| Examiner Name | | | Donald J. Loney | | |
| Attorney Docket Number | | | 20174C-003000US | | |
| Sheet | 1 | of | 4 | | |

| U.S. PATENT DOCUMENTS+ | | | | | |
|------------------------|--------------------------|--|--------------------------------|---|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number Kind Code ² (if known) | | | |
| | A1 | US-4,992,312 | 02-12-1991 | Frisch | |
| | A2 | US-5,788,468 | 08-04-1998 | Dewa et al. | |
| | A3 | US-6,345,502 B1 | 02-12-2002 | Tai et al. | |
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| | A5 | US-6,767,706 B2 | 07-27-2004 | Quake et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--------------------------|---------------------------|---------------------|--------------------------------------|--------------------------------|---|--|--------------------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | B1 | WO | 99/00655 | A2 | 01-07-1999 | Immunetics | | <input type="checkbox"/> |
| | B2 | WO | 99/04361 | A1 | 01-28-1999 | Diversified Scientific, Inc. | | <input type="checkbox"/> |
| | B3 | WO | 99/52633 | A1 | 10-21-1999 | Lumenal Technologies, L.P. | | <input type="checkbox"/> |
| | B4 | WO | 00/00678 | A1 | 01-06-2000 | University Of Washington | | <input type="checkbox"/> |
| | B5 | WO | 00/43748 | A1 | 07-27-2000 | YSI Incorporated | | <input type="checkbox"/> |
| | B6 | WO | 01/09595 | A2 | 02-08-2001 | Emerald Biostructures, Inc. | | <input type="checkbox"/> |
| | B7 | WO | 01/09595 | A3 | 02-08-2001 | Emerald Biostructures, Inc. | | <input type="checkbox"/> |

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| Examiner Signature | Date Considered |
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PTO/SB/08B (08-03)

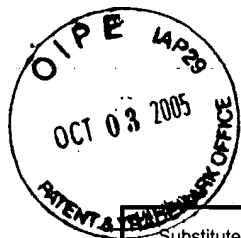
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| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Complete if Known | | | |
| | | Application Number | 09/724,784 | | |
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| | | First Named Inventor | Marc A. Unger | | |
| | | Art Unit | 1772 | | |
| | | Examiner Name | Donald J. Loney | | |
| Sheet | 2 | of | 4 | Attorney Docket Number | 20174C-003000US |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | C1 | "Biochips," Nature Biotechnology, Vol. 18, Supplement 2000, pp. IT43-IT44, 2000 | |
| | C2 | "Chapter 9: Microfluidic Devices," Micromachined Transducers Sourcebook, pp. 779-882, 1998 | |
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PTO/SB/08B (08-03)

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| Substitute for form 1449B/PTO | | Complete if Known | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | 09/724,784 | | |
| | | Filing Date | November 28, 2000 | | |
| | | First Named Inventor | Marc A. Unger | | |
| | | Art Unit | 1772 | | |
| | | Examiner Name | Donald J. Loney | | |
| Sheet | 3 | of | 4 | Attorney Docket Number | 20174C-003000US |

| NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | C17 | HICKS, JENNIFER, "Genetics And Drug Discovery Dominate Microarray Research," R&D Magazine, pp. 28-33, 2/1999 | |
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| | C33 | MARSILI, RAY, "Lab-On-A-Chip Poised To Revolutionize Sample Prep," R&D Magazine, 5 pages, 2/1999 | |
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| | C39 | VERPOORTE, ELISABETH M. J. et al., "Three-Dimensional Micro Flow Manifolds For Miniaturized Chemical Analysis Systems," J. Micromech. Microeng., Vol. 7, pp. 246-256, 1994 | |
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| | C41 | XIA, YOUNAN et al., "Reduction In The Size Of Features Of Patterned SAMs Generated By Microcontact Printing With Mechanical Compression Of The Stamp," Adv. Mater., Vol. 7, No. 5, pp. 471-473, 1995 | |
| | C42 | XU, BING et al., "Making Negative Poisson's Ratio Microstructures By Soft Lithography," Adv. Mater., Vol. 11, No. 14, pp. 1186-1189, 1999 | |
| | C43 | YANG, XING et al., "A Lower Power MEMS Silicone/Parylene Valve," Solid-State Sensor and Actuator Workshop, Hilton Head Island, South Carolina, 4 pages, 6/7-11/1998 | |

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